TABLE 3

RELATIONSHIP BETWEEN THE WALL VOLUME AND AREA AND THE FREE VOLUME AND AREA WITHIN THE CHECKER WORK, FOR VARIOUS RATIOS OF WALL THICKNESS AND CHECKER OPENING, BASED UPON SQUARE CHECKER PASSES

Ratio of Wall Thickness to Checker Opening Diameter of Square Pass				Brick Area or Volume per Unit Area or Space	Free Area or per "Unit Area or Space
Wall	Pass	Wall	Pass		
1.00	0.33	3.00	1.00	93.75	6.25
1.00	0.40	2.50	1.00	91.84	8.16
1.00	0.50	2.00	1.00	88.88	11.12
1.00	0.67	1.50	1.00	84.00	16.00
1.00	1.00	1.00	1.00	75.00	25.00
1.00	1.50	0.67	1.00	64.00	36.00
1.00	2.00	0.50	1.00	55.56	44.44
1.00	2.50	0.40	1.00	48.98	51.02
1.00	3.00	0.33	1.00	43.75	56.25
1.00	3.50	0.28	1.00	39.51	60.49
1.00	4.00	0.25	1.00	36.00	64.00
1.00	4.50	0.22	1.00	33.06	66.94
1.00	5.00	0.20	1.00	30.56	69.44
1.00	6.00	0.17	1.00	26.53	73.47

The values for the last two columns of this table were obtained from a table contained in Mr. Boynton's paper.